Opportunities Week of February 5, 2019

**URECA Summer Program:** The URECA (Undergraduate Research and Creative Activities) Program supports SB students doing full-time faculty-mentored research or creative activity for ten weeks (i.e. 9-5 Monday-Fridays). At the end of the ten-week period, the URECA participants will prepare abstracts of their work and commit to presenting their work at the University’s annual poster symposium in the following spring.

**Application deadline is March 15th, 2019**
For more info and application, see [https://www.stonybrook.edu/commcms/ureca/summer/urecasummer.php](https://www.stonybrook.edu/commcms/ureca/summer/urecasummer.php)

**Explorations in STEM:** The Explorations in STEM program – administered by the Dept. of Technology & Society, URECA and the Career Center – seeks to provide research/professional development in STEM areas to undergraduate students. Students with demonstrated need (e.g. Pell-eligible students) and/or underrepresented students, particularly freshman/sophomores considering STEM careers, are encouraged to apply. This program particularly encourages the application of students majoring in electrical, mechanical, civil engineering, chemical engineering and/or engineering science. The Explorations in STEM supports SB students doing full-time faculty-mentored research in a STEM field for ten weeks. A major component of the program is the opportunity for students to participate in weekly professional development workshops/events, which include workshops on communicating science, poster design, applying to graduate school, etc. At the end of the ten-week period, the participants prepare abstracts of their work and will be required to present at the closing poster symposium at the end of the summer.

**Application deadline is March 15th, 2019**
For more info and application, see [https://www.stonybrook.edu/commcms/ureca/summer/ExplorationsinSTEM.php](https://www.stonybrook.edu/commcms/ureca/summer/ExplorationsinSTEM.php)

**Summer Research in the Preall Lab at Cold Spring Harbor:** The Preall Lab at Cold Spring Harbor is seeking a motivated undergraduate summer interns to participate in a research project. The student will work within the Single Cell Analysis Core Facility at Cold Spring Harbor, where they will learn to use laboratory techniques such as mammalian cell culture, molecular cloning, microfluidic encapsulation, and next-generation sequencing and apply these tools towards the characterization of clonally expanding immune cell populations in the tumor microenvironment.

For more info and instructions to apply, see attached file

**Healthcare, Research & Human Services Job and Internship Fair:** Learn about the Counseling, Human Services, Social Work, Psychology, Clinical, Research, Public Health, Pharmaceutical and Healthcare Administration career options available to you! Build your future with clinical, non-clinical and research experience.

**Job and Internship Fair to be held on Friday, March 1st, 2019, 12:00-3:00 PM, SAC Ballrooms A & B**
See details and employers list on Handshake

**New SBU Master of Science in Athletic Training Program:** This new graduate program is a full-time, two-year, 76 credit professional program. The program is designed for students who already possess a baccalaureate degree and meet the prerequisite coursework. Upon completion of the program, students will be eligible for the Board of Certification exam and state licensure. The athletic training program at Stony Brook University is designed to provide quality classroom, laboratory, and online instruction in conjunction with hands on clinical experiences at NCAA Division I, II and III athletic programs and competitive local high school sports. Our program is dedicated to contributing to the body of knowledge in our profession by continuing to encourage various research initiatives. By being embedded within athletics and medicine within our community we promote building relationships through interaction with physicians and valuable community service involvement. Completion of this comprehensive program is sure to prepare students to become competent and confident athletic trainers.
For more info and prerequisites, see
https://healthtechnology.stonybrookmedicine.edu/programs/at/graduate

Public Health Research in India - Summer 2019: Offered by SUNY Cortland, participants will spend four weeks (July 15-August 13, 2019) exploring social determinants of health in urban centers and rural villages throughout Southern India. Students will first conduct needs assessments, and then work with local partners to develop and implement interventions in a variety of settings, including: A long-term care facility founded for people with leprosy, A small government hospital in a rural hill station, A tribal orphanage serving remote villages of indigenous people, Social service agency that teach living skills to people with disabilities.

Program plan and course syllabus are available online here
For more info, contact Dr. Jena Nicols Curtis (Jena.Curtis@Cortland.edu)

Phi Delta Epsilon Medical Fraternity: The Phi Delta Epsilon Medical Fraternity is in the process of Spring 2019 recruitment, and would like to invite all pre-med students to their events. This is a purely professional fraternity that hosts events that help its members improve their leadership, interpersonal and formal skills needed for a professional career. Future events include Trivia Night (Tonight!), and Speed Meeting (February 14th)
For a full listing of events, please see attached file.

Stony Brook Young Investigators Review: SBYIR is hosting a journal club open to all students, where we will be reading the article: "Podocyte-specific deletion of signal transducer and activator of transcription 3 attenuates nephrotoxic serum–induced glomerulonephritis" by Yan Dai. A staff member will lead the discussion about the paper, along with relevant background information, explanation of the methods, and conclusions of the paper. This is meant to be an opportunity for all of us to practice reading scientific literature, which is especially important for SBYIR, whose goal is to promote science research news!
Journal Club is being held Monday, February 11th, 7:00 PM in Life Sciences Room 038
For more info, see attached file

*Disclaimer: Undergraduate Biology does not endorse or take responsibility for any off-campus programs listed in Opportunities emails. While we do our best to vet any opportunity that is shared, please let us know immediately if you are suspicious of any employers/programs.
Meet the Greeks
1/31 · SAC Ballroom A · 7-10pm

Informational
2/5 · SAC 302 · 8-10pm

Game Night
2/7 · SAC 305 · 7-9pm

Trivia Night
2/8 · SAC 306 · 8-10pm

Speed Meeting
2/14 · SAC 305 · 8-10pm

@phide_nymu
STONY BROOK YOUNG INVESTIGATOR’S REVIEW

JOURNAL CLUB

Monday, February 11th at 7:00pm
Life Sciences 038

COME LEARN HOW TO BREAK DOWN AND ANALYZE RESEARCH LITERATURE

We will be picking a journal article to go over together, and this will include understanding the different sections of the article, the methodologies conducted by the experimenters, analyze the results, and how it will affect the future of the field.
The Preall Lab at Cold Spring Harbor Laboratory is seeking a motivated undergraduate summer intern to participate in a research project. The student will work within the Single Cell Analysis Core Facility at Cold Spring Harbor where they will learn to use laboratory techniques such as mammalian cell culture, molecular cloning, microfluidic encapsulation, and next-generation sequencing and apply these tools towards the characterization of clonally expanding immune cell populations in the tumor microenvironment. The student will also learn about lab techniques such as flow cytometry and single cell transcriptomics, and computational data analysis. The ideal candidate will be highly self-motivated, and will contribute to the design and troubleshooting of a technically challenging, but highly rewarding project.

Requirements:
- Must be at least a junior in college
- Must have taken organic chemistry or completed an upper level biology lab class
- Excellent communication skills and willing to work as part of a team
- Available to work between 9-5 at least three days a week between May and August with flexible start and end dates
- Enthusiasm to tackle new challenges
- A car or ability to commute to the Woodbury campus at Cold Spring Harbor Laboratory (A CSHL shuttle is available from Syosset train station)
- Lab experience preferred

Applicants should send materials to Jon Preall via email at jpreall@cshl.edu and should include:
- A cover letter
- Resume
- List of relevant coursework